

ABSTRACT

A bearing assembly suitable for use in a motorcycle steering assembly includes an inner ring member having a convex inner race surface with opposing axial edges. An outer ring member encircles the inner ring member and defines a raceway space therebetween. The outer ring member includes at least two axially spaced outer race surfaces defining a lubrication groove therebetween. Flanges axially outwardly spaced from each outer race surface extend radially inwardly past the outer race surfaces to capture a roller therebetween. A plurality of rollers are disposed in the raceway space between the flanges. Each of the rollers include a concave radial race surface interposed between axially spaced radial race surfaces. Each of the axially spaced radial race surfaces engage one of the axially spaced outer race surfaces of the outer ring member and the concave radial race surface engages the inner ring member convex inner surface. In one embodiment, a seal spaced axially outwardly from each axial end of the rollers and disposed between the inner and outer ring members seal the rollers between said inner and outer ring members, and a collar is fixed to each axial end of the inner ring member to unitize the bearing assembly.